



ESTADO LIBRE ASOCIADO DE PUERTO RICO  
MUNICIPIO DE TRUJILLO ALTO

PEDRO A. PADILLA AYALA  
ALCALDE

February 5, 2007

Carl Axel P. Soderberg  
Director  
Caribbean Environmental Protection Division  
United States Environmental Protection Agency  
Multi-Media Permits and Compliance Branch  
Centro Europa Building, Suite 417  
1492 Ponce De León Ave.  
San Juan, PR 00907

07F  
Pt 18  
URFIL

**Notice of Intent for General Permit for Discharges from Small Municipal Separate Storm Sewer Systems**

Dear Mr. Soderberg:

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq.), except as provided in Part 1.3 of this permit, operators of small municipal separate storm water systems, located in the area specified in Part 1.1, Commonwealth of Puerto Rico, the Municipality of Trujillo Alto submit a Notice of Intent in accordance with Part II, to obtain the authorization to discharge pollutants to waters of the United States in accordance with the conditions and requirements set forth herein.

If you need more information, you can contact Mrs. Gladys Jaime Fernández, Director of Land Planning Office at (787) 761-2559.

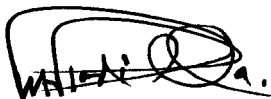
Sincerely,

Pedro A. Padilla Ayala  
Mayor

GJF/ADC

## CERTIFICATION

"I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in black ink, appearing to read "Pedro A. Padilla Ayala", written over a horizontal line.

Hon. Pedro A. Padilla Ayala

Mayor

**Notice of Intent**  
**General Permit for Discharges from Small Municipal Separate Storm**  
**Water for Sewer Systems**  
**National Pollutant Discharge Elimination System**

- 1) The Municipality of Trujillo Alto operates a municipal separate storm sewer system located in the urban area of the Municipality.
- 2) The location of the facility for which the application is submitted and the person responsible is:

**Hon. Pedro A. Padilla Ayala**  
**Mayor**  
**Municipality of Trujillo Alto**  
**P.O. Box 1869**  
**Trujillo Alto, P.R. 00977**  
**(787) 761-0172**

- 3) The SIC Code established by the federal Office of Management and Budget for public administration for local government activities is 9199.

- 4) The operator name of the storm water sewer system is:

**Mr. Angel Maymí, Eng.**  
**Director**  
**Public Works Department**  
**P.O. Box 1869**  
**Trujillo Alto, P.R. 00977**  
**(787) 292-2553**

Also the name of the person responsible for the preparation of this document is:

**Mrs. Gladys Jaime Fernández, P.L.P.**  
**Director**  
**Land Use and Planning Office**  
**Municipality of Trujillo Alto**  
**P.O. Box 1869**  
**Trujillo Alto, P.R. 00977**  
**(787) 761-2559**

## **Notice of Intent NPDES General Permit Municipality of Trujillo Alto**

5) The list of permits or construction approvals in the municipal territory on 2006 have been requested from specific federal and state agencies. We are waiting response from the following agencies: Environmental Quality Board, Natural Resources and Environmental Department. The Appendix C includes copies of the letters requesting information on granted permits.

6) The Municipality's storm water sewer system map is not available, at this moment. The same is being prepared and will be available by December 2007. In the Appendix A of this document we are including a series of Hydrologic Maps of the Municipality of Trujillo Alto which includes the creeks, wells, rivers, lakes and the facilities of sewer waste water treatment plants operated by the Puerto Rico Aqueduct and Sewer Authority.

7) Description of the Municipality of Trujillo Alto.

### ***General Description***

The Municipality of Trujillo Alto is part of the San Juan Metropolitan Region. This Region is composed by the municipalities of Bayamón, Canóvanas, Carolina, Cataño, Dorado, Guaynabo, Loíza, San Juan, Toa Alta, Toa Baja, Trujillo Alto, Vega Baja and Vega Alta. Trujillo Alto share its limits with the Municipality of San Juan by the North, the Municipalities of Caguas and Gurabo by the South, again with the Municipality of San Juan by the West and with the Municipality of Carolina by the East.

The municipal surface is comprised of 54 square kilometers, the equivalent to 21 square miles. The Trujillo Alto population was of 75,728 inhabitants according to the Census of 2000.

The most important economic sectors in Trujillo Alto are the Services and the Construction sectors.

### **Natural Resources and Environment**

The Municipality of Trujillo Alto, known as the "Rural City", possesses a great heritage of natural resources, among which we can mention the water bodies, including the Río Grande de Loíza river and the Loíza Dam, the abundant vegetation of their mountains, and minerals. These natural characteristics are peculiar in a Municipality that is part of the San Juan Metropolitan Area, which, is characterized to be scattered and

**Notice of Intent NPDES General Permit**  
**Municipality of Trujillo Alto**

contaminated city. Therefore, it is indispensable and necessary the protection of the natural resources in face of the threat of development pressure facing the San Juan Metropolitan Area.

In Trujillo Alto the water resource is one abundant and important for the Municipality as for the Metropolitan Area. By Trujillo Alto flows the Río Grande de Loíza River, which, is born in the heights of the Sierra de Cayey in Municipality of San Lorenzo. Also, through the Municipality flows fourteen (14) creeks, which they are enumerated subsequently: Blasina Creek, Carraízo Creek, Cepero Creek, Colorada Creek, Grande Creek, Hoyo Frío Creek, Infierno Creek, Limones Creek, Maracuto Creek, Naranjo Creek, Pastrana Creek, Rohena Creek, Sabana Llana Creek, and Variante Creek. Trujillo Alto also possesses nineteen (19) natural water springs recognized of which two (2) are utilized for the production of bottled water. Finally, the Municipality yields part of its lands to the Loíza Dam, which covers 1,334.79 square kilometers, and possesses an original capacity of 20,000 acre/foot, equivalent to almost 25 million cubic meters. This reservoir is the main supply of drinking water for the San Juan Metropolitan Area, reaffirming Trujillo Alto as one of the most important areas in the production and management of the water resource.

Another important natural resource that possesses Trujillo Alto is its mountains with thick vegetation. The 78 percent of the Municipality has steep topography being intensified this characteristic at the South of the Municipality. The elevations in topography go from 10 meters to 340 meters of height above sea level. The abundant vegetation of these mountains mostly is of secondary type, due to that the primary forests were eradicated when the economy of the Municipality was based on the monoculture of the sugar cane. The fauna that inhabits in the Municipality varies from fish, amphibious, reptilian, insects, birds and mammalian.

Finally, we can say that the Municipality of Trujillo Alto has abundance of minerals that are utilized for construction as the stone, sand and gravel. In accordance with the United States Geological Service (USGS) Soils Maps, the soils of the Municipality are formed by residues of basic volcanic rock and by alluvium, product of the deposition of the sediments of the Río Grande the Loíza River. These soils, product of volcanic rocks of Barrazas, Friales, Guaynabo, Hato Puerco, Infierno, La Muda, Lomas, Monacillo and Carraízo Breccia, are mostly clayey. The agricultural capacity of these soils goes from I to VIII, being found the soils with

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Municipality of Trujillo Alto**

better quality in the Northern part of the Municipality, zone that already has been urbanized, and to the margins of the Rio Grande of Loíza River.

**Urban structure**

The urban structure of the Municipality of Trujillo Alto is divided essentially in three (3) areas that contrast among itself; the first one of these are composed with the North wards (Saint Just, Cuevas and Pueblo) where is located the greater concentration of one-family residential developments and apartments, the main shopping centers, the industrial parks and governmental institutions. The second is constituted by the Southern wards (Quebrada Grande, Quebrada Negrito, La Gloria, and Dos Bocas). In this area where the developments are observed dispersed among itself or in core; the lots are generally of 900 square meters or more; the infrastructure presents deficiencies and the topography is steeper; the elevations above sea level are the greater, and the population densities are the lowest in all Municipal territory. The third one is formed by the second ward of greater population, Carraízo, which has the particularity to be naturally dissociated of the remainder of the territory by the Rio Grande of Loíza River.

According to Census 2000, the population of the urban area was 50,841 inhabitants with a total housing units of 17,674. The population density was 7,058 per square mile of land and the housing unit's density was 2,454 per square mile of land.

8) The estimate square mileage served by the MS4 was 7.20.

9 & 10) The descriptions of the best management practices to be implemented and measurable goals established by the Municipality are detached in the Appendix B.

11) The person responsible for coordinating the Municipality of Trujillo Alto Storm Water Management Program is:

**Mr. Angel Maymí, Eng.  
Director  
Public Works Department  
P.O. Box 1869  
Trujillo Alto, P.R. 00977  
(787) 292-2553**

**Notice of Intent NPDES General Permit  
Municipality of Trujillo Alto**

**Appendix A**

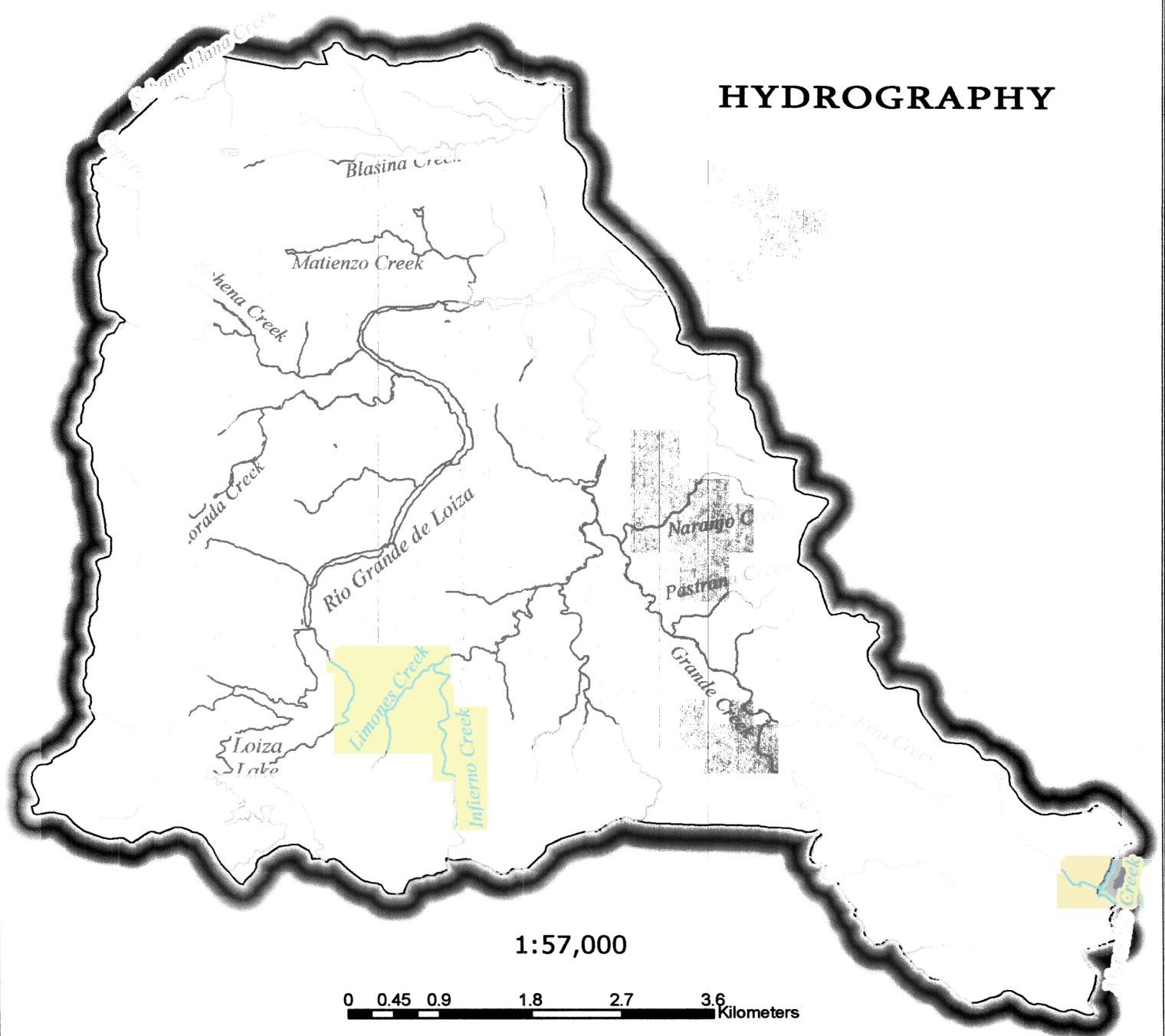


**COMMONWEALTH OF PUERTO RICO**  
**MUNICIPALITY OF TRUJILLO ALTO**  
**Land Planning Office**



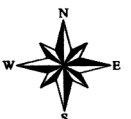
***CONTENTS OF NOI FOR NPDES***

**HYDROGRAPHY**



**Legend**

-  Creeks & rivers
-  Boundary





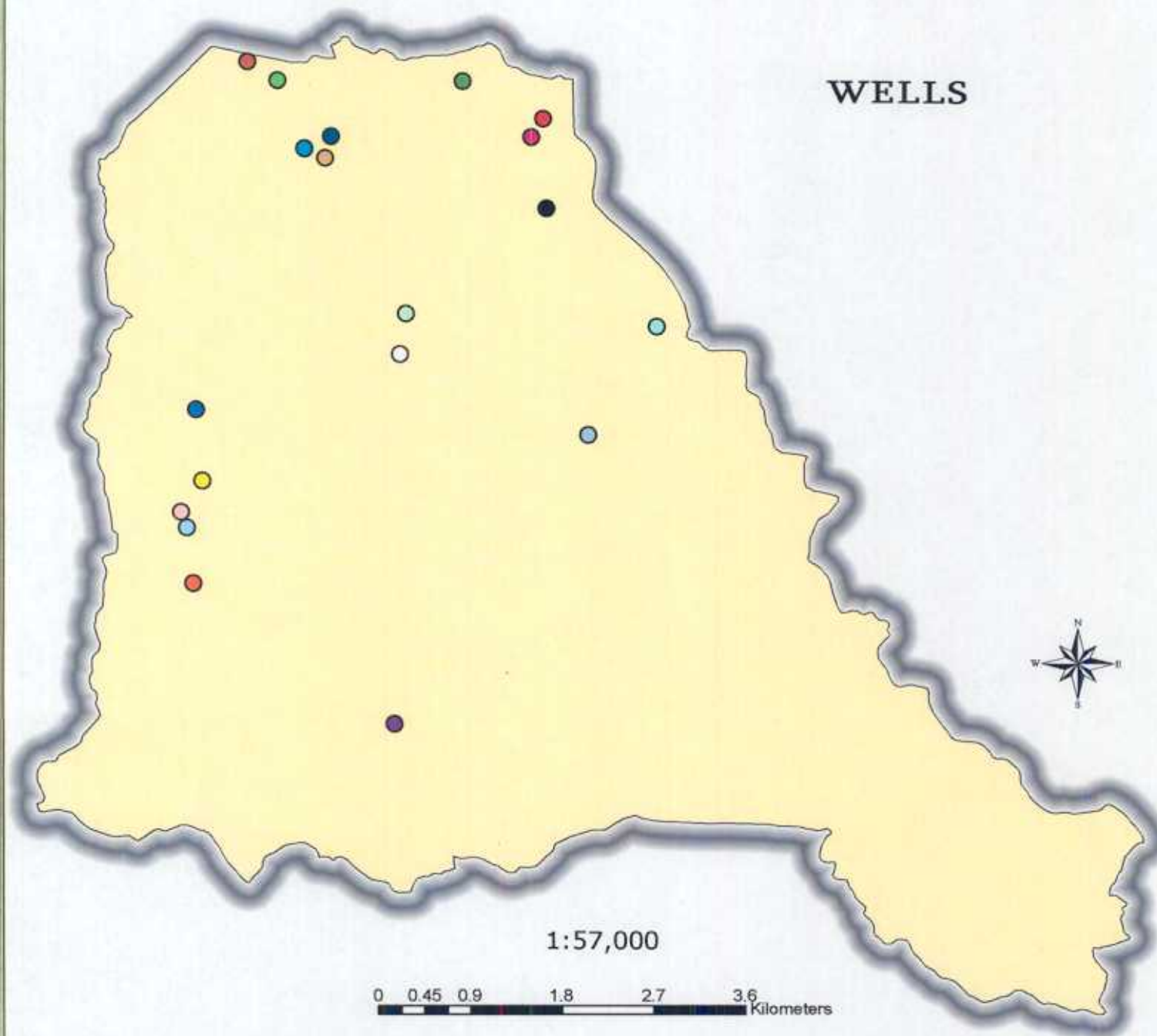


COMMONWEALTH OF PUERTO RICO  
MUNICIPALITY OF TRUJILLO ALTO  
Land Planning Office



*CONTENTS OF NOI FOR NPDES*

WELLS



**Legend**

○ ANTONSANTI #410 WELL	● BETANCOURT F. WELL	● IGLESIAS WELL	● PUEBLO SECO WELL	● SAINT JUST WELL
● LAS PARCELAS SPRING	● CARRAIZO WELL	● JESUS MOLINA WELL	● QUINTIN GARCIA WELL	● VEEVE GARCIA WELL
● MUN. DE TRUJILLO ALTO	● DOS BOCAS WELL	● M. NIEVES WELL	● RAMON DIAZ WELL	● VILLANUEVA WELL
● P.R. IND. PLASTICS WELL	● FERNANDEZ WELL	● MELENDEZ WELL	● RAMOS WELL	■ Boundary

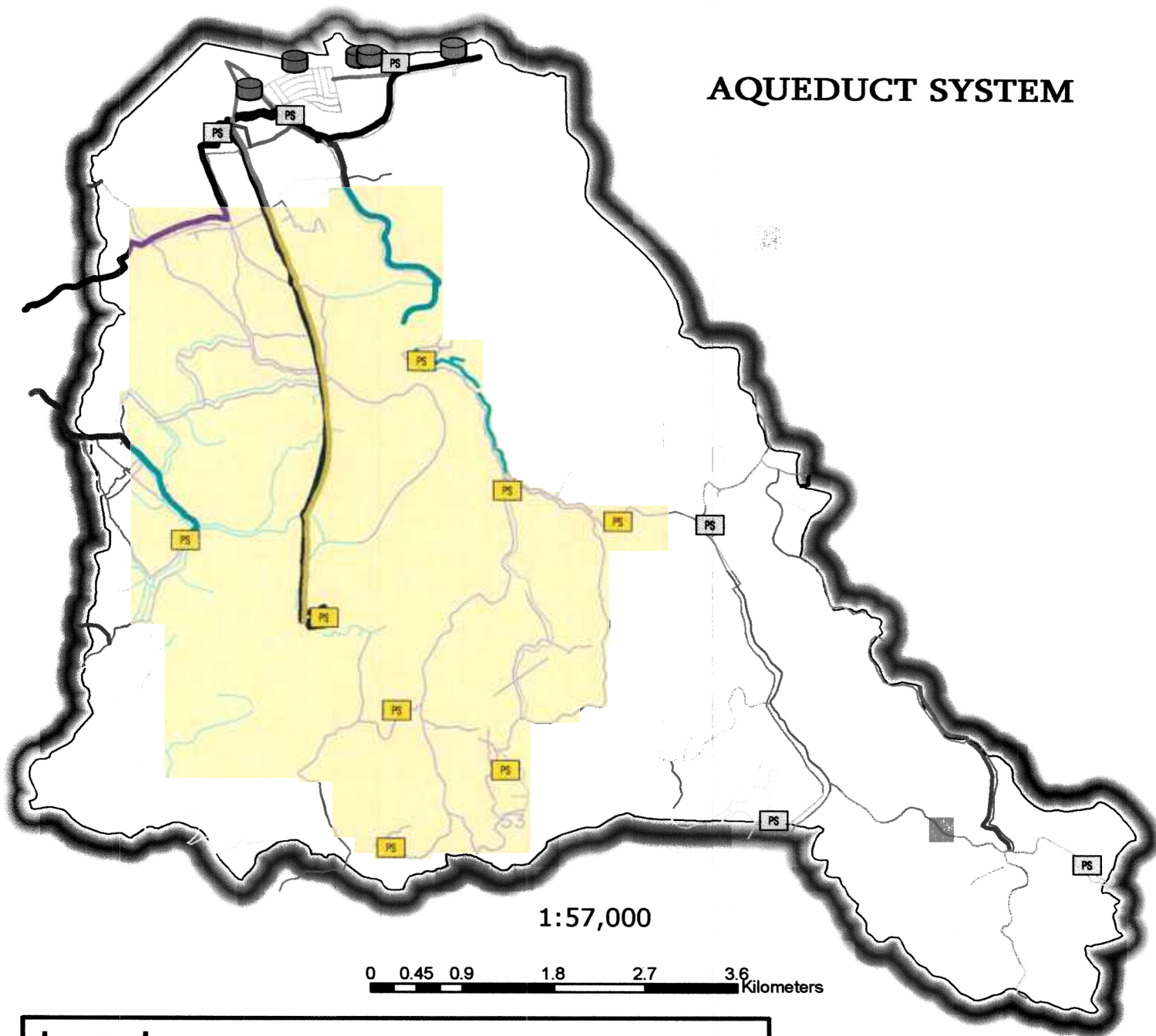


**COMMONWEALTH OF PUERTO RICO**  
**MUNICIPALITY OF TRUJILLO ALTO**  
**Land Planning Office**



***CONTENTS OF NOI FOR NPDES***

**AQUEDUCT SYSTEM**



**Legend**

**Diameter**

2	8	16	54		
4	10	20		PS	Water Pumps
6	12	48			Water Tanks
					Boundary

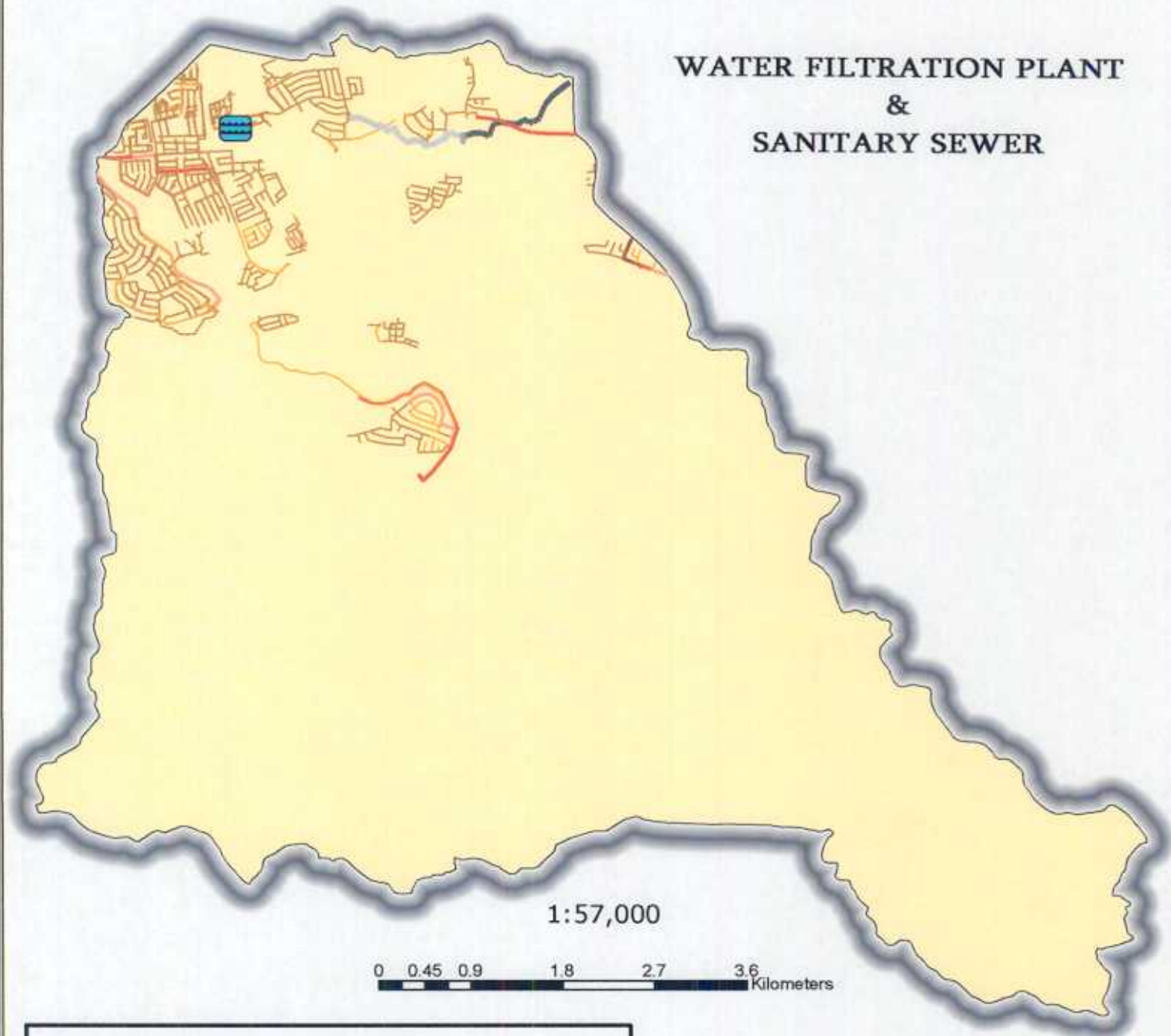






*CONTENTS OF NOI FOR NPDES*

WATER FILTRATION PLANT  
&  
SANITARY SEWER



**Legend**

**Sewer Diameter**

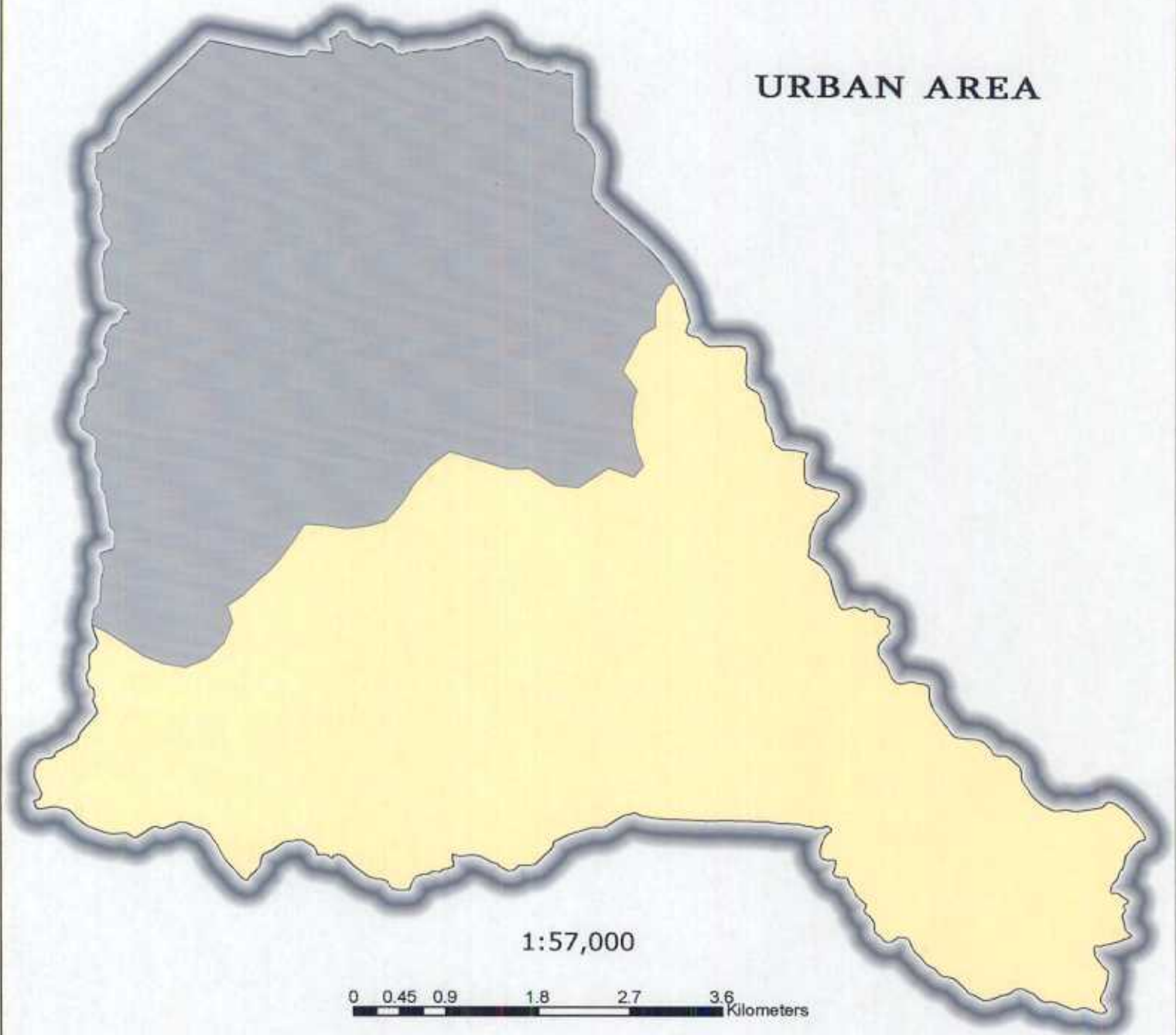
4	10	18	 Filtration Plant
6	12	30	
8	15	42	
 Boundary			







***CONTENTS OF NOI FOR NPDES***

**URBAN AREA**



**Legend**

-  Boundary
-  Limits of urban area



**Notice of Intent NPDES General Permit  
Municipality of Trujillo Alto**

**Appendix B**

### Six Storm Water Minimum Control Measures

Storm water minimum control measure	Goals	BMP <sup>(1)</sup>	Strategies	Indicators	Dateline
Measure # 1 Public Education and Outreach	Increase residential and commercial awareness of nutrient and contaminants runoff and encourage behaviors that will reduce nutrient pollution in local streams and lakes	Municipal Outreach Programs	Develop a presentation of the stormwater runoff and give it to the communities' boards, schools, municipal offices, and other groups. This presentation also will be in the website of the Municipality of Trujillo Alto.	# of people impacted	Presentation by December 2007 Staff Training July 2008
			Train the staff of the Environmental Control Office and Land Use and Planning Office to instruct people in these matters.		
		Educational Displays, Pamphlets, Booklets, Bill Inserts	Develop a brochure with information of stormwater runoff which include information of proper disposal of household hazardous and wastes water conservation practices for homeowners.	# of brochures distributed	Brouchure by December 2007
		Stormwater Outreach materials	Print posters with general information to be distributed to the commercial offices and establishments.	# of commercial office impacted	Posters by December 2007

BMP= Best Management Practices

### Six Storm Water Minimum Control Measures

Storm water minimum control measure	Goals	BMP <sup>(1)</sup>	Strategies	Indicators	Dateline
Measure #2 Public Participation/Involvement	Promote public participation on environmental activities and offer opportunities to participate in the Storm water Management Program.	Reforestation Programs	Continue with the Clean and Green Trujillo Alto Program. Identifying areas in the Municipality that need reforestation. Involve the communities around these areas and environmental groups to participate in the Program.	# of acres of land reforested	Identifying areas by July 2008 Reforestation Program through five years of permit
			To set up the alliance with DNRE to expand the Program and combine it with the state Program Green 100 X 35.	# of trees to be planted	
		Stream Cleanup	Develop an agenda in coordination of Environmental Control Office to establish the routes and schedule to implement the Stream Cleanup Program under Clean and Green Trujillo Alto Program.	# meter of stream cleanup	Agenda by July 2007
			Acquire the equipment necessary to performance these operations.		
		Adopt a Stream Program	Identifies the communities near the water bodies to promote environmental activities.	# of groups in the Program	December 2009
			Invites another groups such as Boys Scouts, and Environmental Groups to participate of the Stream Program.		
			Promote in the neighbors of those communities through their boards to adopt the section of the stream that goes by their communities.		
			Develop Presentations to inform people how they will adopt a stream and what it involve.		
		Watershed Organizations	Continue with the meetings of the Río Grande the Loíza River Basin developed by Center for Watershed Protection.	# of meetings assisted	Every year

BMP= Best Management Practices



### Six Storm Water Minimum Control Measures

Storm water minimum control measure	Goals	BMP <sup>(1)</sup>	Strategies	Indicators	Dateline
Measure #3 Illicit Discharge Detection and Elimination	Develop an effective Illicit Discharge Program to improve the quality of the receiving waters.	Develop a storm water sewer system map.	Get digital information from developers about their residential, commercial and industrial projects. Draw up the stormwater sewer from the older residential complex whos information is not available using GPS and GIS mapping tools. Combine both kinds of information in one layer of information. Create an Ordinance that enforce the developers give the stormwater lines of new projects in digital form to the Municipal Planning Office.	% storm water sewer draw up on GIS layer	December 2007 with available information
		Implement the ordinance prohibiting illicit discharges.	Strict Implement of the Seccion 4.06 of Public Law and Order Code Municipality of Trujillo Alto. Training of the Municipal Police in the environmental section of the Code.	# of tickets issued	Training October 2007
		Develop a plan to detect and address these illicit discharges.	Coordinate with Environmental Control Office an agenda to develop routes to detect illicit discharges. Coordinate with Municipal Police to enforce people to correct the illicit discharge and modificate their behavior.	# of illicit discharge detected vs # illicit discharge corrected	Discharge Detection December 2008 Discharge Correction December 2010
Measure #4 Construction Site Runoff Control	Develop measures to reduce pollutants in stormwater runoff from construction sites. Reduce significantly the impact of polluted stormwater runoff in rivers, lakes and estuaries.	Procedures for reviewing construction site plans	Training the personnal of Community Development Office and Land Use Planning Office in the requirements of storm water construction sites. Requiere an NPDES Permit for all construction sites over one (1) acre in the Municipality.	# of employes trained	October 2007
		Procedures for inspections and enforcement of stormwater requirements at construction sites	To emphasize in the Comunal Development Office inspect the proper fulfillment of the permits of every new residential, commercial and industrial project.	Monthly Report of Comunal Development Office	Monthly Report

BMP= Best Management Practices



### Six Storm Water Minimum Control Measures

Storm water minimum control measure	Goals	BMP <sup>(1)</sup>	Strategies	Indicators	Dateline
Measure #5 Post-Construction Runoff Control	Reduce imperviousness on new developments using practices to treat, store, and infiltrate runoff onsite before it can affect water bodies downstream.	Enforce the maintenance of the storm water lines.	Municipal Public Works Department will develop an agenda who includes routes and schedules to give maintenance for the storm water sewer.	Agenda Fulfillment	Agenda by January 2008
		Promote new alternatives for construction sites who reduce imperviousness.	Identifies the alternatives to be promoted to developers on their new projects like porous parking lot, bioretention, etc.	# of projects who adopt the new imperviousness alternatives	October 2007
Measure #6 Pollution Prevention/Good Housekeeping	Protect stormwater, particularly when maintaining MS4 infrastructure and performing daily municipal activities.	Municipal Employee Training and Education	Develop training programs for field maintenance staff. Develop procedures for properly disposal of pollutants removed from the MS4. Develop workshops and conferences for all municipal employees.	# of employees trained Procedure fulfillment	Procedure Development December 2008

BMP= Best Management Practices

**Notice of Intent NPDES General Permit  
Municipality of Trujillo Alto**

**Appendix C**



ESTADO LIBRE ASOCIADO DE PUERTO RICO  
MUNICIPIO DE TRUJILLO ALTO

PEDRO A. PADILLA AYALA  
ALCALDE

5 de febrero de 2007

Hon. Javier Vélez Arocho  
Secretario  
Departamento de Recursos Naturales y Ambientales  
Apartado 366147  
San Juan, Puerto Rico 00936-6147

**Atención:** Sr. Nelson Velázquez  
Director  
División Permisos y Franquicias de Agua

**Asunto:** Permiso General del National Pollutant Discharge and  
Elimination System (NPDES); Información sobre permisos  
emitidos en el territorio municipal de Trujillo Alto

Estimado señor Vélez:

Saludos cordiales de la Administración Municipal de Trujillo Alto.

El Municipio de Trujillo Alto, en cumplimiento con la Ley Federal de Agua Limpia, se encuentra realizando el plan de manejo de escorrentía pluvial con el fin de obtener el permiso general del "National Pollutant Discharge and Elimination System" para nuestro sistema de alcantarillado pluvial. Uno de los requisitos solicitados por la Agencia Federal de Protección Ambiental (EPA, por sus siglas en inglés), encargada de otorgar dicho permiso, es informar acerca de la cantidad de permisos emitidos dentro de los límites del Municipio de Trujillo Alto, bajo las siguientes leyes federales:

- Inyección Subterránea bajo la Ley de Aguas Limpias
- Permisos de dragados o rellenos bajo la sección 404 de la Ley de Aguas Limpias

Hon. Javier Vélez Arocho  
5 de febrero de 2007  
Página 2

Como una de las agencias encargadas de velar por el cumplimiento de las leyes ambientales tanto federales como estatales, solicitamos se nos brinde información al respecto.

De tener alguna pregunta o duda con respecto al contenido de esta solicitud favor de comunicarse con la Plan. Gladys Jaime Fernández, Directora de la Oficina de Planificación y Ordenación Territorial, al 787-761-2559.

Cordialmente,

A handwritten signature in black ink, appearing to read 'Pedro A. Padilla Ayala', with a large, stylized flourish above the name.

Pedro A. Padilla Ayala

GJF/ADC